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**BILLINGS AREA**  
**PIEA**  
**INDUSTRY/OCCUPATION**  
**PROJECTIONS**  
**- 1985 -**

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A Labor Market Information Publication

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## ADDENDUM

In producing this publication, the occupational and industrial employment projections were based largely on multiple-regression techniques and the past trends of employment in the Billings Standard Metropolitan Statistical Area. The most current data utilized for the projections are for 1974. However, since 1974 the Billings area has exhibited an unusually high growth pattern and our labor market analysts have concluded that the results in this publication more nearly depict employment trends for 1980 rather than the 1985 profile. Although the tables and narratives have accounted for this, the cover and title page indicate 1985 projections.



PART 2: BILLINGS STANDARD METROPOLITAN STATISTICAL AREA

INDUSTRY/OCCUPATION PROJECTIONS: 1985

A LABOR MARKET INFORMATION PUBLICATION

STATE OF MONTANA

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in cooperation with  
EMPLOYMENT AND TRAINING ADMINISTRATION,  
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FOURTH EDITION:

Part 1 State of Montana  
Part 2 Billings SMSA  
Part 3 Great Falls SMSA

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## I. EMPLOYMENT BY INDUSTRY 1980

Employment in the Billings SMSA is forecasted to reach 53,500 workers by 1980. This represents a 22.7% increase from 1974, when employment totaled 43,600 persons. In comparison, the state as a whole is expected to grow 14% from 1974 to 1985. It is interesting to note that, although the forecasted employment growth is comparably high, it is still below the actual rate of growth from 1970 to 1974, when employment in the Billings SMSA grew 28%.

### 1. Agriculture, Forestry and Fisheries

The number of people employed in the agricultural sector is expected to drop between 1974 and 1980. The forecasted employment for 1980 is 1,900 workers, compared with 2,330 in 1974. This industry has been moving towards greater use of capital and less labor throughout this century. The 1970's have shown no reversal in this trend. In 1974, the agriculture industry accounted for just over 5% of Yellowstone County's employment. By 1980, the agriculture industry's percentage is expected to dip below 4%. Although declining in importance in terms of employment, the agriculture industry remains as an important primary industry with cash receipts that flow back into the local economy. In fact, the finance institutions, various retail and wholesale outlets, including farm equipment dealers, transportation and many other industries derive income from the agriculture industry. This income, in turn, created additional jobs for the Billings economy.

### 2. Mining

Due to the continuing decline of other fossil fuels, the coal industry is once again emerging as an important primary industry

in Montana. Strip mining, which utilizes heavy equipment to remove the top soil away from underlying coal seams, have proven to be an efficient means of obtaining eastern Montana coal. As such, Billings has been receiving many of the benefits of this form of mining. The close location of Billings to the coal areas and its attractive spectrum of potential workers, shipping facilities medical treatment, and supportive services have all contributed to this development. The forecasted employment for 1980 is 670 workers, compared with 510 in 1974.

3. Construction

Employment in this industrial group is expected to reach 4,250 people by 1980. This represents a potential growth rate of 23% from 1974 levels. Spurred by rapid population growth, new housing and commercial buildings will be needed to serve the needs of Billings area residents.

4. Manufacturing

Yellowstone County has not been recognized as a strong manufacturing area in past years. Since the beginning of this decade this trend has begun a reversal, and between 1970 and 1974 550 workers were added to the county's manufacturing payrolls. Although at a somewhat slower rate, the manufacturing industry is forecast to continue to grow through 1980, reaching 4,300 workers, up 14.7% from 1974.

5. Transportation and Public Utilities

After experiencing tremendous growth between 1970 and 1974, the transportation, communication and public utilities industrial group is expected to stabilize between 1974 and 1980, with employment edging upward by only 8%. This averages out to about 50

additional workers each year. Additional workers will also be needed for normal replacement needs, due to quits, retirements and other labor separations.

#### 6. Wholesale and Retail Trade

In 1974, 13,240 persons were employed in this major group, highest of all industry groups in Yellowstone County, (30% of all workers). By 1980, this group is expected to employ about 15,450 workers for a growth rate of 16.8% over 1974 levels. However, this compares with a growth rate of 33% from 1970 to 1974. With this anticipated growth slow-down, the services industry is expected to surpass trade as the largest employer. However, the trade industry is an extremely important industry in Yellowstone County and the bulwark of the area's growth in the post World War II era. Also, the addition of several constructed or anticipated shopping centers will provide many new jobs in the area.

#### 7. Finance, Insurance and Real Estate

This industrial group is expected to realize a moderate rate of growth between 1974 and 1980, with employment reaching 2,340 workers in 1980. This would amount to a 7.5% increase or 160 workers from the 1974 annual average.

#### 8. Services

During the 1970-1974 period service employment increased by over 2,300 workers to a total of 12,130 in 1974. This amounted to an increase that was about 4% below the average increase for all industries in the state. However, the services industry is forecasted to employ 17,280 people by 1980. This represents a gain of 5,150 workers, 42.5% above 1974 levels. As such only public administration is expected to show a higher rate of gain, and in

terms of numbers of people, the services industry is expected to account for over one-half of all additional jobs in the area.

9. Public Administration

Employment in public administration is forecast at 3,010 for 1980. This compares with 2,050 in 1974 and 1,580 in 1970. Those workers involved in this group include: postal services and federal, state, and local administration employees. Job opportunities in this group are expected to nearly double from 1970 to 1980.

TABLE I

PERCENT DISTRIBUTION OF EMPLOYMENT  
BY MAJOR INDUSTRY DIVISION IN BILLINGS  
1970, 1974, PROJECTED 1980

INDUSTRY	PERCENT DISTRIBUTION		
	<u>1970</u>	<u>1974</u>	<u>Projected 1980</u>
TOTAL, ALL INDUSTRIES	100.00	100.00	100.00
Agriculture, Forestry and Fisheries	5.31	5.35	3.55
Mining	1.20	1.16	1.25
Contract Construction	7.37	7.91	8.00
Manufacturing	9.38	8.59	8.04
Transportation, Communication, & Public Utilities	8.72	9.05	8.00
Wholesale and Retail Trade	29.59	30.37	28.90
Finance, Insurance, & Real Estate	5.01	5.00	4.38
Services	28.55	27.84	32.32
Public Administration	4.64	4.71	5.63

TABLE II

BILLINGS TOTAL EMPLOYMENT BY MAJOR INDUSTRY DIVISION,  
1970, 1974, PROJECTED 1980*(In Tens)*

INDUSTRY	EMPLOYMENT		
	1970	1974	PROJECTED 1980
TOTAL, ALL INDUSTRIES	34,030	43,580	53,460
Agriculture, Forestry, Fisheries	1,810	2,330	1,900
Mining	410	510	670
Construction	2,510	3,450	4,250
Manufacturing	3,190	3,750	4,300
Durable Goods	630	830	1,140
Nondurable Goods	2,460	2,920	3,160
Transportation, Communication, & Public Utilities	2,970	3,950	4,250
Wholesale & Retail Trade	10,070	13,240	15,450
Wholesale Trade	3,230	4,130	4,890
Retail Trade	6,840	9,110	10,560
Finance, Insurance, and Real Estate	1,710	2,180	2,340
Services	9,790	12,130	17,280
Public Administration	1,580	2,050	3,010

TABLE III

BILLINGS TOTAL EMPLOYMENT BY MAJOR OCCUPATIONAL DIVISION:  
1974                  PROJECTED 1980

(In Tens)

<u>OCCUPATIONAL DIVISION</u>	<u>1974</u>	<u>Projected 1980</u>	<u>Percent Change</u>
TOTAL, ALL OCCUPATIONS	43,570	53,460	22.70
Professional, Technical, Kindred	5,630	7,370	30.91
Managers, Officials and Proprietors	6,630	7,880	18.85
Clerical and Kindred	7,150	9,520	33.14
Sales Workers	3,470	4,080	17.58
Craftsmen, Foremen and Kindred	5,310	6,620	24.67
Operatives and Kindred	4,980	5,690	14.26
Service Workers	6,430	8,600	33.75
Laborers, Except Farm and Mine	2,360	2,680	13.56
Farmers and Farm Workers	1,610	1,020	-36.65

TABLE IV

EMPLOYMENT CHANGE IN BILLINGS,  
1970-1974, 1974-1980*(In Tens)*

INDUSTRY	EMPLOYMENT CHANGE 1970-1974			EMPLOYMENT CHANGE 1974-1980		
	<u>Entire Period</u>	<u>Percent</u>	<u>Average Annual</u>	<u>Entire Period</u>	<u>Percent</u>	<u>Average Annual</u>
TOTAL, ALL INDUSTRIES	9,540	28.03	2,390	9,880	22.68	1,647
Agriculture, Forestry, Fisheries	530	29.04	130	-430	-18.45	-72
Mining	100	23.96	30	170	32.74	28
Construction	940	37.47	240	800	23.25	133
Manufacturing	550	17.08	140	550	14.74	92
Durable Goods	200	31.58	50	310	37.30	52
Nondurable Goods	350	13.53	90	240	8.31	40
Transportation, Other Public Utilities	980	32.94	250	310	7.75	52
Wholesale and Retail Trade	3,170	31.45	790	2,220	16.75	370
Wholesale Trade	900	27.88	230	760	18.36	127
Retail Trade	2,270	33.14	570	1,460	16.02	243
Finance, Insurance, Real Estate	470	27.67	120	160	7.53	27
Services	2,340	23.89	590	5,150	42.45	858
Public Administration	480	30.08	120	950	46.45	158



TABLE V

BILLINGS EMPLOYMENT BY BROAD OCCUPATIONAL GROUPS:  
1970, 1974, 1974, PROJECTED 1980  
(In Tens)

OCCUPATIONAL GROUP	EMPLOYMENT				
	1970	Percent	Projected		Percent
			1977	1980	
TOTAL, ALL OCCUPATIONS	34,040	100.00	46,190	53,460	100.00
Professional, Technical, Kindred	4,540	13.34	6,090	7,370	13.78
Engineers, Technical	290	.84	420	510	.96
Life and Physical Scientists	180	.54	240	310	.59
Mathematical Specialists	10	.02	10	10	.02
Engineers, Science Technicians	270	.78	430	580	1.08
Medical Workers, Except Technicians	660	1.94	880	1,150	2.14
Health Technologist and Technicians	100	.31	160	220	.42
Technicians, Except Health	50	.16	80	100	.19
Computer Specialists	40	.12	60	70	.14
Social Scientists	50	.14	80	100	.19
Teachers	1,570	4.62	1,800	1,900	3.56
Writers, Artists, Entertainers	300	.88	470	600	1.13
Other Professional, Technical	1,020	3.00	1,470	1,790	3.36
Managers, Officials, Proprietors	4,760	13.97	6,960	7,880	14.75
Buyers, Sales, Loan Managers	820	2.41	1,120	1,310	2.45
Administrators, Public Inspectors	340	.99	500	630	1.19
Other Managers, Officials, Proprietors	3,600	10.56	5,340	5,940	11.11
Sales Workers	2,770	8.14	3,630	4,080	7.63
Clerical Workers	5,670	16.67	7,790	9,520	17.80
Stenographers, Typists, Secretaries	1,670	4.89	2,270	2,820	5.27
Office Machine Operators	170	.50	220	230	.43
Other Clerical Workers	3,840	11.27	5,290	6,470	12.10
Crafts and Kindred Workers	4,010	11.77	5,650	6,620	12.38
Construction Crafts Workers	1,150	3.38	1,720	2,050	3.83
Blue Collar Worker Supervisor, NEC	490	1.41	680	820	1.53
Metal Working Craft Workers, Exc. Mechanics	80	.22	110	120	.23

EMPLOYMENT

OCCUPATIONAL GROUP

<u>OCCUPATIONAL GROUP</u>	<u>1970</u>	<u>Percent</u>	<u>1974</u>	<u>Percent</u>	<u>1977</u>	<u>Percent</u>	<u>1980</u>	<u>Percent</u>
Mechanics, Repairers, Installers	1,260	3.70	1,640	3.76	1,750	3.79	1,060	3.86
Printing Trade Crafts Workers	150	.43	150	.34	145	.31	140	.27
Transportation, Public Utilities Craft	200	.58	260	.60	275	.60	310	.59
Other Crafts, Kindred Workers	690	2.02	930	2.14	980	2.12	1,120	2.08
Operatives	4,000	11.76	4,980	11.43	5,170	11.19	5,690	10.65
Operatives, Except Transport	2,400	7.04	2,820	6.47	2,960	6.40	3,330	6.23
Semi-skilled Metal Working	230	.68	330	.75	370	.79	470	.89
Semi-skilled Packing, Inspecting	170	.50	230	.53	250	.53	290	.54
Other Operatives, Except Transport	2,000	5.86	2,260	5.20	2,340	5.07	2,550	4.80
Transport Equipment Operatives	1,610	4.72	2,160	4.96	2,210	4.79	2,350	4.42
Service Workers	5,180	15.23	6,430	14.76	7,010	15.17	8,600	16.09
Cleaning Service Workers	1,080	3.17	1,440	3.31	1,610	3.48	2,050	3.84
Food Service Workers	1,790	5.26	2,420	5.55	2,510	5.44	2,790	5.21
Health Service Workers	580	1.71	650	1.48	750	1.63	1,050	1.96
Personal Service Workers	860	2.51	1,000	2.30	1,140	2.47	1,520	2.85
Protective and Service Workers	340	.98	430	.98	460	1.00	560	1.04
Private Household Workers	540	1.58	500	1.14	530	1.15	630	1.12
Laborers, Except Farm	1,900	5.57	2,360	5.43	2,450	5.30	2,680	5.02
Farmers and Farm Workers	1,210	3.55	1,610	3.70	1,450	3.14	1,020	1.91
Farmers and Farm Managers	730	2.15	930	2.14	850	1.83	620	1.15
Farm Laborers, Farm Supervisors	480	1.40	680	1.56	610	1.31	400	.76

TABLE VI

BILLINGS EMPLOYMENT BY OCCUPATION  
1970, 1974, PROJECTED 1980*(In Tens)*

OCCUPATIONAL TITLE	1970	1974	Projected 1977	Projected 1980
TOTAL, ALL OCCUPATIONS	34,040	43,570	46,190	53,460
Professional, Technical, Kindred	4,540	5,630	6,090	7,370
Engineers, Technical	290	380	420	510
Engineers, Chemical	30	40	40	50
Engineers, Civil	80	110	120	140
Engineers, Electrical	40	60	60	70
Engineers, Industrial	10	20	20	20
Engineers, Mechanical	40	50	50	60
Engineers, Petroleum	30	30	40	50
Engineers, Sales	10	29	20	20
Engineers, Other	40	70	80	90
Life and Physical Scientists	180	210	240	310
Agricultural Scientists	10	10	10	10
Atmospheric, Space Scientists	10	10	10	20
Biological Scientists	20	20	20	30
Chemists	10	10	10	20
Geologists	130	150	170	230
Marine Scientists	10	10	10	10
Mathematical Specialists	10	10	10	10
Statisticians	10	10	10	10
Engineers, Science Technicians	270	380	430	580
Chemical Technicians	60	60	70	80
Drafters	80	120	140	180
Electrical, Electronic Technician	30	30	40	50
Surveyors	40	60	70	90
Engineering, Science Technician NEC	70	100	120	170
Medical Workers, Except Technicians	660	780	880	1,150
Chiropractors	20	40	40	40
Dentists	40	50	50	80
Dieticians	30	30	50	80
Optometrists	20	20	20	20
Pharmacists	40	50	50	60
Physicians, MD Osteopaths	100	110	130	170
Registered Nurses	370	420	460	570
Therapists	30	40	50	70
Veterinarians	20	40	40	60
Health Technologists and Technicians	100	140	160	220
Clinical Lab Technologists, Technicians	50	60	70	90
Dental Hygienists	10	10	10	20
Radiological Technologist, Technicians	20	30	30	40
Other Health Technologists, Technicians	30	40	50	70

OCCUPATIONAL TITLE	<u>1970</u>	<u>1974</u>	<u>Projected 1977</u>	<u>Projected 1980</u>
Technicians, Except Health	50	70	80	100
Airplane Pilots	20	20	20	30
Air Traffic Controllers	10	10	10	20
Radio Operators	20	30	30	40
Other Technicians Except Health	10	10	20	20
Computer Specialists	40	50	60	70
Computer Programmers	30	30	40	50
Computer Systems Analysts	10	10	20	20
Social Scientists	50	70	80	100
Economists	50	70	80	100
Teachers	1,570	1,760	1,800	1,900
Adult Education Teachers	60	70	80	100
College and University Teachers	200	230	220	200
Elementary School Teachers	620	640	660	730
Preschool, Kindergarten Teachers	80	120	130	140
Secondary School	450	520	510	480
Teachers NEC, Except College, University	170	190	200	240
Writers, Artists, Entertainers	300	420	470	600
Athletes and Kindred Workers	20	20	20	30
Designers	20	30	30	40
Editors and Reporters	40	50	50	60
Musicians and Composers	90	130	150	200
Painters and Sculptors	40	70	80	100
Photographers	40	70	80	100
Public Relations	30	40	50	50
Radio, TV Announcers	10	10	10	10
Writers, Artists, Entertainers, NEC	10	10	10	10
Other Professional, Technical	1,020	1,350	1,470	1,790
Accountants	350	450	460	520
Architects	30	60	60	80
Clergy	90	90	100	140
Religious, Except Clergy	40	40	40	60
Foresters, Conservationists	10	20	20	30
Home Management Advisors	10	10	10	10
Lawyers	110	140	150	190
Librarians	90	150	160	180
Operations, Systems Research	10	10	10	10
Personnel Labor Relations	80	90	100	120
Research Workers, NEC	10	20	20	30
Recreation Workers	60	100	120	160
Social Workers	80	100	120	150
Vocational, Educational Counselors	70	80	100	140
<u>MANAGERS, OFFICIALS, PROPRIETORS</u>	<u>4,760</u>	<u>6,630</u>	<u>6,960</u>	<u>7,880</u>
Buyers, Sales, Loan Managers	820	1,050	1,120	1,310
Bank, Financial Managers	250	340	350	400
Credit Managers	30	30	30	40
Buyers, Shippers, Farm Products	30	30	30	40
Buyers, Wholesale, Retail	60	70	70	90
Purchasing Agents, Buyers, NEC	70	90	90	110

OCCUPATIONAL TITLE	1970	1974	Projected 1977	Projected 1980
Sales Manager, Retail Trade	220	310	330	390
Sales Manager, Except Retail Trade	160	190	210	240
Administrators, Public Inspectors	340	450	500	630
Assess, Control, Local Public Administrator	40	40	50	60
Health Administrators	40	50	60	70
Inspectors, Public Construction	50	90	100	140
Officials, Administrators, Public	100	120	140	170
School Administrators, College	20	30	30	40
School Administrators, Elementary, Secondary	80	110	120	150
Other Managers, Officials, Proprietors	3,690	5,130	5,340	5,940
Funeral Directors	30	60	60	80
Managers, Superintendants, Building	30	40	40	40
Office Managers, NEC	200	250	260	300
Officials of Lodges, Unions	60	50	60	70
Railroad Conductors	10	20	20	20
Restaurant, Cafe, Bar Managers	260	350	340	330
Other Managers, Administrators	3,020	4,370	4,560	5,090
<u>SALES WORKERS</u>	2,770	3,470	3,630	4,080
Advertising Agents, Sales Workers	60	90	100	120
Demonstrators	70	70	80	90
Hucksters and Peddlers	170	170	180	210
Insurance Agents, Brokers, Etc.	230	270	270	280
Newspaper Carrier and Vendor	60	50	50	50
Real Estate Agents, Brokers	150	220	220	220
Stock and Bond Sales Agents	50	80	80	80
Sales and Sales Workers, NEC	2,000	2,520	2,650	3,030
<u>CLERICAL WORKERS</u>	5,670	7,150	7,790	9,520
Stenographers, Typists, Secretaries	1,670	2,070	2,270	2,820
Secretaries, Legal	50	80	90	110
Secretaries, Medical	40	50	60	80
Secretaries, Other	1,140	1,470	1,650	2,130
Stenographers	160	140	120	70
Typists	270	330	350	430
Office Machine Operators	170	220	220	230
Bookkeeping, Billing Operators	30	30	30	30
Computer, Peripheral Equipment	40	80	80	100
Duplicating Machine Operators	10	20	20	20
Key punch Operators	70	80	70	50
Other Office Machine Operators	10	10	10	10
Other Clerical Workers	3,840	4,870	5,290	6,470
Bank Tellers	110	150	150	160
Billing Clerks	40	60	60	80
Bookkeepers	710	910	930	1,010
Cashiers	430	520	540	600
Clerical Supervisors, NEC	80	130	150	190
Collectors, Bill and Account	40	40	50	50

OCCUPATIONAL TITLE	1970	1974	Projected 1977	Projected 1980
Auto Body Repairers	90	100	110	110
Auto Mechanics and Apprentices	450	540	580	680
Data Processing Machine Repairers	10	10	10	20
Farm Implement Mechanics	40	60	70	90
Heavy Equipment Mechanics, Incl. Diesel	220	280	300	340
Household Appliance Mechanics	80	110	121	150
Office Machine Repairers	60	80	90	110
Radio, Television Repairers	80	90	100	140
Railroad Carshop Repairers	110	150	150	150
Other Mechanics and Apprentices	70	100	100	110
Printing Trade Crafts Workers	150	150	150	140
Bookbinders	10	10	10	10
Compositors and Typesetters	100	100	90	80
Printing Press Operator and Apprentices	40	40	40	50
Transportation, Public Utilities Craft	200	260	280	310
Electric Power Line Installers	40	60	60	70
Locomotive Engineers	40	60	70	90
Telephone Installers, Repairers	90	120	120	130
Telephone Liner, Splicers	30	30	30	30
Other Crafts, Kindred Workers	690	930	980	1,120
Bakers	90	130	130	120
Cabinetmakers	30	50	50	60
Carpet Installers	10	20	20	20
Crane, Derrick, and Hoist Operator	70	90	90	110
Decorators, Window Dressers	30	50	50	50
Dental Lab Technicians	10	20	20	20
Furniture and Wood Finishers	20	20	30	40
Glaziers	30	60	70	90
Inspectors, Other	70	80	90	100
Jewelers and Watch Makers	20	20	20	20
Motion Picture Projectionists	10	10	10	20
Opticians, Lens Grinder, Polisher	60	110	130	200
Shoe Repairers	20	20	20	20
Sign Painters and Letterers	20	30	30	30
Stationary Engineers	140	160	150	130
Tailors	10	10	10	10
Upholsterers	10	10	10	10
Crafts, Kindred Workers, NEC	40	60	70	70
<u>OPERATIVES</u>	4,000	4,980	5,170	5,690
Operatives, Except Transport	2,400	2,820	2,960	3,330
Semi-skilled Metalworking	230	330	370	470
Welders and Flame Cutters	230	330	370	470
Semi-skilled Packing, Inspecting	170	230	250	290
Checkers Examiners, Etc., Mfg.	20	20	20	30
Graders and Sorters, Mfg.	20	20	20	30
Meat Wrappers, Retail Trade	30	50	50	50
Packer, Wrappers, Except Meat, Produce	110	150	160	180

OCCUPATIONAL TITLE	1970	1974	Projected 1977	Projected 1980
Counter Clerks, Except Food	190	280	310	380
Dispatcher, Starter Vehicle	50	60	60	70
Enumerators and Interviewers	50	60	60	70
Estimators, Investigators, NEC	140	180	200	250
Expeditors, Production Controllers	30	40	40	40
File Clerks	20	30	30	30
Insurance Adjusters, Examiners	40	50	50	50
Library Attendants, Assistant	70	90	100	120
Mail Carriers, Post Office	70	90	90	100
Mail Handler, Except Post Office	40	50	50	70
Messengers and Office Helpers	10	20	20	20
Meter Readers, Utilities	20	30	30	30
Payroll, Timekeeping Clerks	40	50	50	60
Postal Clerks	100	120	130	140
Proofreaders	10	10	10	10
Real Estate Appraisers	40	50	60	70
Receptionists	310	390	430	540
Shipping Receiving Clerks	130	160	170	200
Statistical Clerks	70	90	90	90
Stock Clerks, Store Keepers	110	130	140	170
Teacher's Aides, Except Monitors	70	110	140	210
Telegraph Operators	40	40	40	30
Telephone Operators	150	160	150	140
Ticket Station, Express Agents	60	70	70	80
Weighers	30	40	40	50
Miscellaneous Clerical Workers, NEC	540	690	870	1,350
<u>CRAFTS AND KINDRED WORKERS</u>	<u>4,010</u>	<u>5,310</u>	<u>5,650</u>	<u>6,620</u>
Construction Crafts Workers	1,150	1,600	1,720	2,050
Carpenters and Apprentices	410	570	610	720
Brick and Stonemasons and Apprentices	40	50	50	60
Bulldozer Operators	30	50	50	70
Cement and Concrete Finishers	20	30	40	50
Electricians and Apprentices	150	230	250	300
Excavating, Grading, Machine Operators	160	170	190	250
Floor Layers, Except Tile Setters	20	20	20	10
Painters and Apprentices	80	120	120	130
Plasterers and Apprentices	20	20	20	20
Plumbers, Pipefitters and Apprentices	160	220	230	280
Roofers, and Slaters	20	40	40	50
Structural Metal Craft Workers	40	40	50	50
Tile Setters	20	40	40	40
Blue Collar Worker Supervisor, NEC	490	630	680	820
Metal Working Craft Workers Except Mechanics	80	100	110	120
Machinists and Apprentices	50	60	60	60
Sheetmetal Workers and Apprentices	30	50	50	60
Mechanics, Repairers, Installers	1,260	1,640	1,750	2,060
Air Conditioner, Heating, Refrig. Mechanics	50	100	110	140
Aircraft Mechanics	10	20	20	20
Auto Accessories Installers	10	10	10	10

OCCUPATIONAL TITLE	1970	1974	Projected 1977	Projected 1980
Other Operatives, Except Transport	2,000	2,260	2,340	2,570
Asbestos, Insulation Workers	30	30	40	40
Assemblers	10	10	10	20
Bottling, Canning Operatives	10	20	20	20
Surveyor Helpers	20	30	30	30
Clothing Ironers and Pressers	60	40	50	60
Dressmakers, Except Factory	80	110	120	150
Drillers, Earth	20	30	40	40
Dry Wall Installers, Lathers	10	30	40	40
Garage Workers, Gas Station Attendants	460	440	440	420
Laundry, Dry Cleaning Operators, NEC	80	80	90	110
Meat Cutters, Butchers, Except Mfg.	90	130	130	120
Meat Cutters, Butchers	180	200	210	230
Milliners	10	10	10	10
Mine Operatives, NEC	10	10	20	20
Mixing Operatives	20	20	20	20
Oilers, Greasers, Except Auto	20	20	20	20
Painters, Mfg. Articles	30	40	50	50
Photographic Process Workers	40	60	60	70
Sawyers	10	10	10	10
Sewers and Stitchers	30	30	40	40
Furnace Tender, Stoker, Except Metal	20	30	30	30
Misc. Machine Operatives	320	380	400	440
Operatives, NEC	420	500	520	570
Transport Equipment Operatives	1,610	2,160	2,210	2,360
Bus Drivers	100	130	130	140
Delivery and Route Workers	430	550	580	650
Fork Lift Tow Motor Operatives	40	60	60	70
Parking Attendants	30	50	60	60
Railroad Brake Operators	30	50	50	60
Railroad Switch Operators	90	110	110	120
Taxicab Drivers, Chauffeurs	40	40	40	40
Truck Drivers	860	1,170	1,180	1,230
<u>SERVICE WORKERS</u>	5,180	6,430	7,010	8,600
Cleaning Service Workers	1,080	1,440	1,610	2,050
Lodging Quarters Cleaners	170	270	320	440
Building Interior Cleaners, NEC	320	430	490	650
Janitors and Sextons	590	740	800	960
Food Service Workers	1,790	2,420	2,410	2,790
Bartenders	130	200	220	240
Waiters' Assistants	60	100	110	110
Cooks, Except Private	400	550	600	710
Dishwashers	130	160	160	170
Food Counter, Fountain Workers	210	300	310	330
Waiters	600	790	820	910
Food Workers, NEC, Except Private	260	310	310	310
Health Service Workers	580	650	750	1,050
Dental Assistant	40	60	70	90
Health Aides, Except Nursing	40	50	60	80
Nurses Aides, Orderlies	380	380	440	590
Practical Nurses	120	160	190	290



OCCUPATIONAL TITLE	<u>1970</u>	<u>1974</u>	<u>Projected 1977</u>	<u>Projected 1980</u>
Personal Service Workers	860	1,000	1,140	1,520
Attendants, Recreation, Amusement	50	70	70	90
Attendants, Personal Service, NEC	40	60	70	80
Baggage Porters and Bellhops	30	50	50	50
Barbers	90	110	120	140
Boarding, Lodging Housekeepers	30	30	30	40
Child Care Workers, Except Private	290	310	380	560
Elevator Operators	10	10	10	10
Hairdressers, Cosmetologists	280	310	350	480
Housekeepers, Except Private	40	40	40	50
School Monitors	10	20	20	30
Ushers, Recreation, Amusement	10	10	10	10
Protective and Service Workers	340	430	460	560
Firefighters	70	90	90	100
Guards	50	70	70	80
Police and Detectives	140	170	190	250
Sheriffs and Bailiffs	80	100	110	130
Private Household Workers	540	500	530	630
Child Care Workers	400	380	400	460
Housekeepers, Private	30	30	30	40
Private, Household Cleaners, Servants	100	90	100	120
<u>LABORERS, EXCEPT FARM</u>	<u>1,900</u>	<u>2,360</u>	<u>2,450</u>	<u>2,680</u>
Animal Caretakers, Except Farm	40	70	80	90
Carpenters, Helpers	60	70	70	70
Construction Labor, Except Carpenter Help	310	340	360	410
Freight, Material Handlers	230	300	300	310
Garbage Collectors	60	80	100	130
Gardeners, Groundkeepers, Except Farm	200	260	270	320
Stock Handlers	270	330	340	370
Teamsters	10	10	10	10
Vehicle Washers, Equipment Cleaners	160	180	190	200
Warehouse Laborers, NEC	250	310	310	310
Other Laborers	300	420	430	460
<u>FARMERS AND FARM WORKERS</u>	<u>1,210</u>	<u>1,610</u>	<u>1,450</u>	<u>1,020</u>
Farmers and Farm Managers	730	930	850	620
Farmers (Owners and Tenants)	700	890	800	570
Farm Managers	30	40	50	50
Farm Laborers, Farm Supervisors	480	680	610	400
Farm Labor Supervisors	30	50	50	40
Farm Laborers, Wage Workers	420	610	540	340
Farm Laborers, Unpaid Family	20	20	20	20





